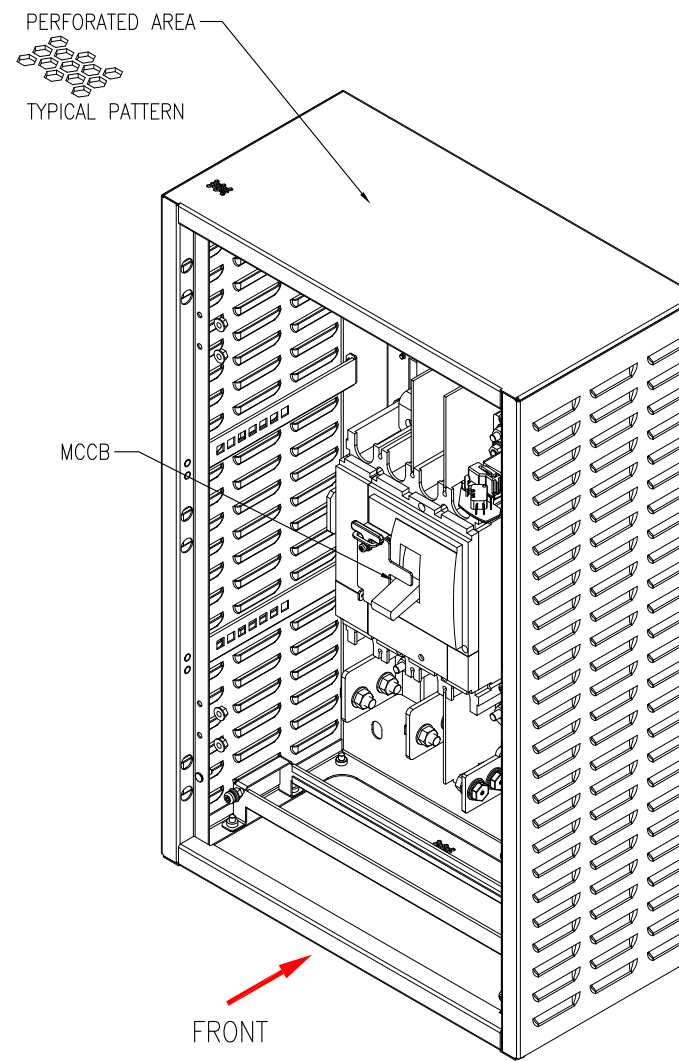


EXTERNAL ISOMETRIC VIEW



INTERNAL ISOMETRIC VIEW
(FRONT DOOR NOT SHOWN)

SPECIFICATIONS:

Circuit breaker	NSX630S DC (LV438274)
Maximum configuration	4 hours runtime for 40–50 battery blocks 1 hour runtime for 36–38 battery blocks
Battery Type	Lead-acid
Maximum short circuit level (kA)	20

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

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Schneider
Electric

TITLE: EASY UPS 3M/3L
BATTERY BREAKER BOX
ISOMETRIC VIEW

PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 5

DWG NO: E3MBBB100K200H

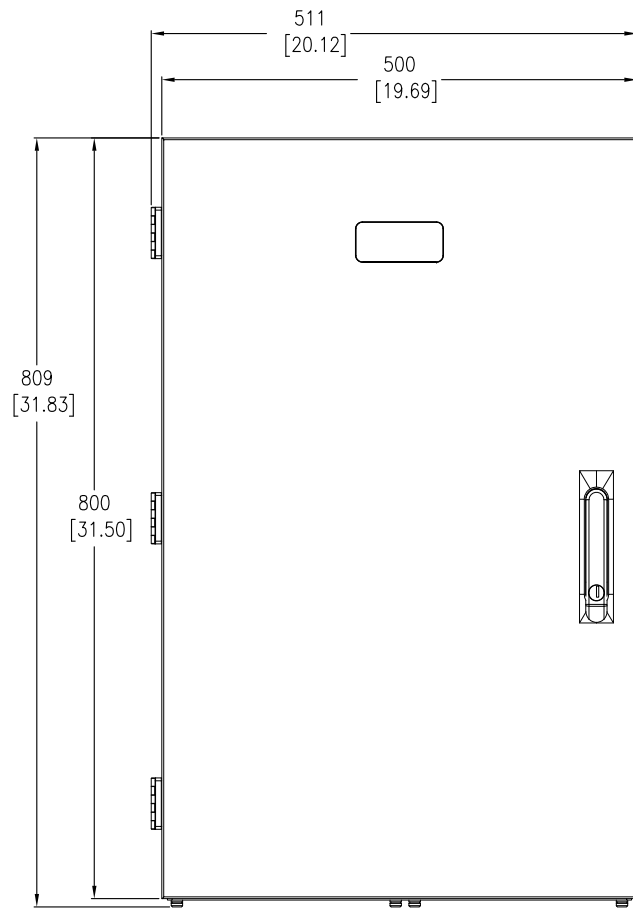
DRAWN: JAYAPRAKASH/KRISHNA 27-MAY-20

ENGINEER: CAMPBELL BAI 27-MAY-20

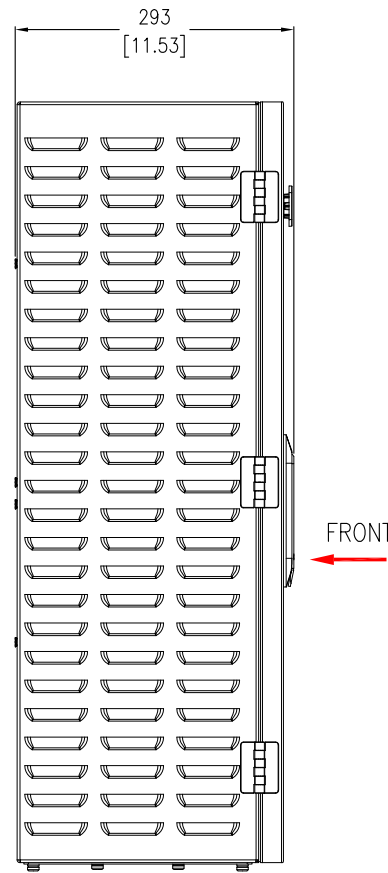
APPROVED: FRANK ZHANG 27-MAY-20

REV. 1

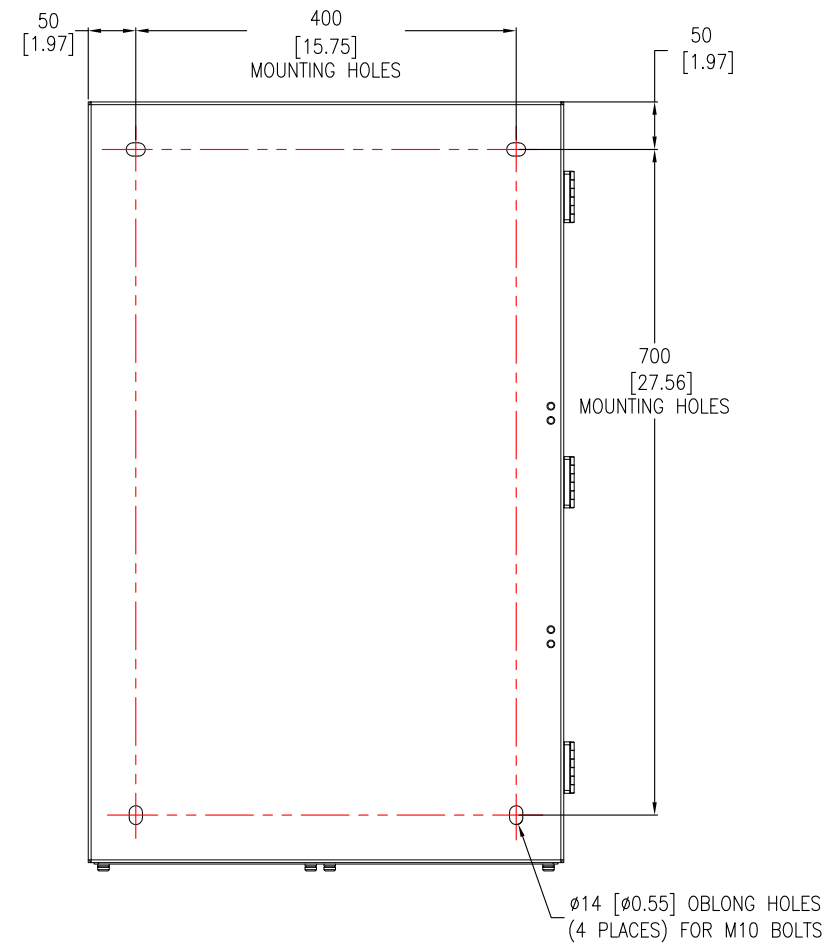
FIRST
ANGLE
PROJECTION



FRONT VIEW



LEFT SIDE VIEW



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
4. FRONT ACCESS REQUIRED FOR SERVICE.
5. CONNECT UPS AND BATTERY CABLES ONLY FROM BOTTOM.
6. THE WEIGHT OF THE UNIT IS 38 kg [84 lb].
7. OPERATING TEMPERATURE: 0°C TO 40°C [32°F TO 104°F]
8. COLOR: RAL 9003 WHITE.
9. PROTECTION CLASS: IP20.

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Schneider
Electric

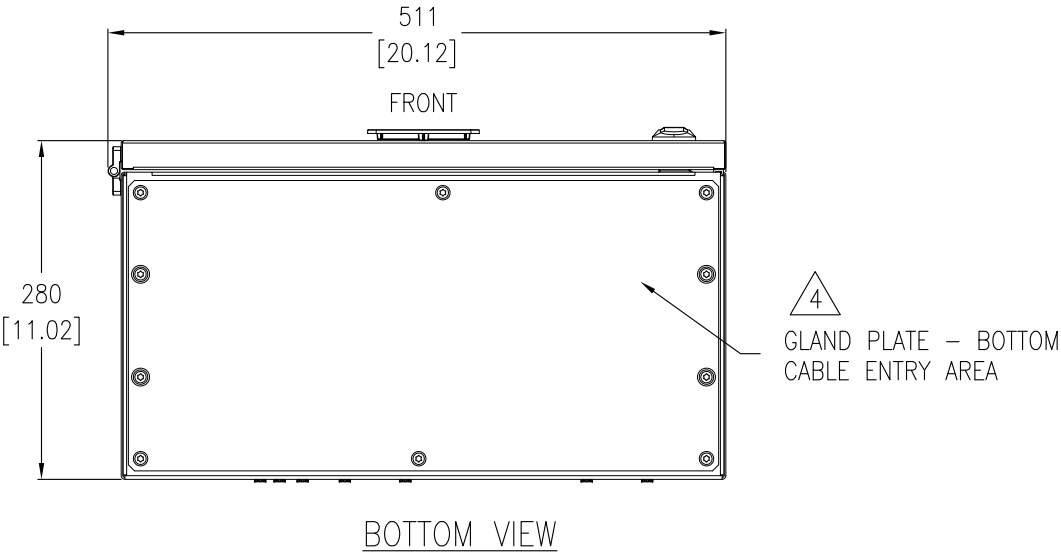
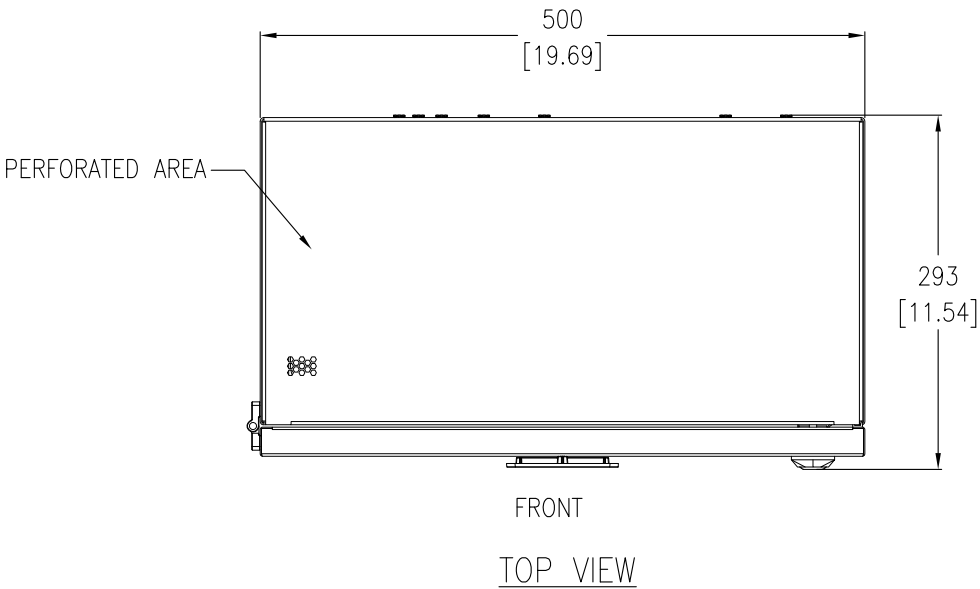
TITLE: EASY UPS 3M/3L
BATTERY BREAKER BOX
GENERAL ARRANGEMENT

PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 5

DWG NO: E3MBBB100K200H

DRAWN: JAYAPRAKASH/KRISHNA	27-MAY-20
ENGINEER: CAMPBELL BAI	27-MAY-20
APPROVED: FRANK ZHANG	27-MAY-20

REV. 1
FIRST
ANGLE
PROJECTION



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
- △ 4. DRILL/PUNCH HOLES IN PLATE. REMOVE PLATE FROM CABINET BEFORE DRILLING/PUNCHING.
USE APPROPRIATE CABLE PROTECTION AROUND HOLE BEFORE CABLING IS INSTALLED.

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Schneider
Electric

TITLE: EASY UPS 3M/3L
BATTERY BREAKER BOX
TOP AND BOTTOM VIEWS

PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 5

DWG NO: E3MBBB100K200H

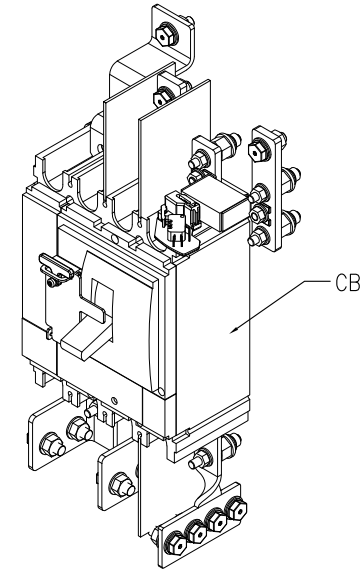
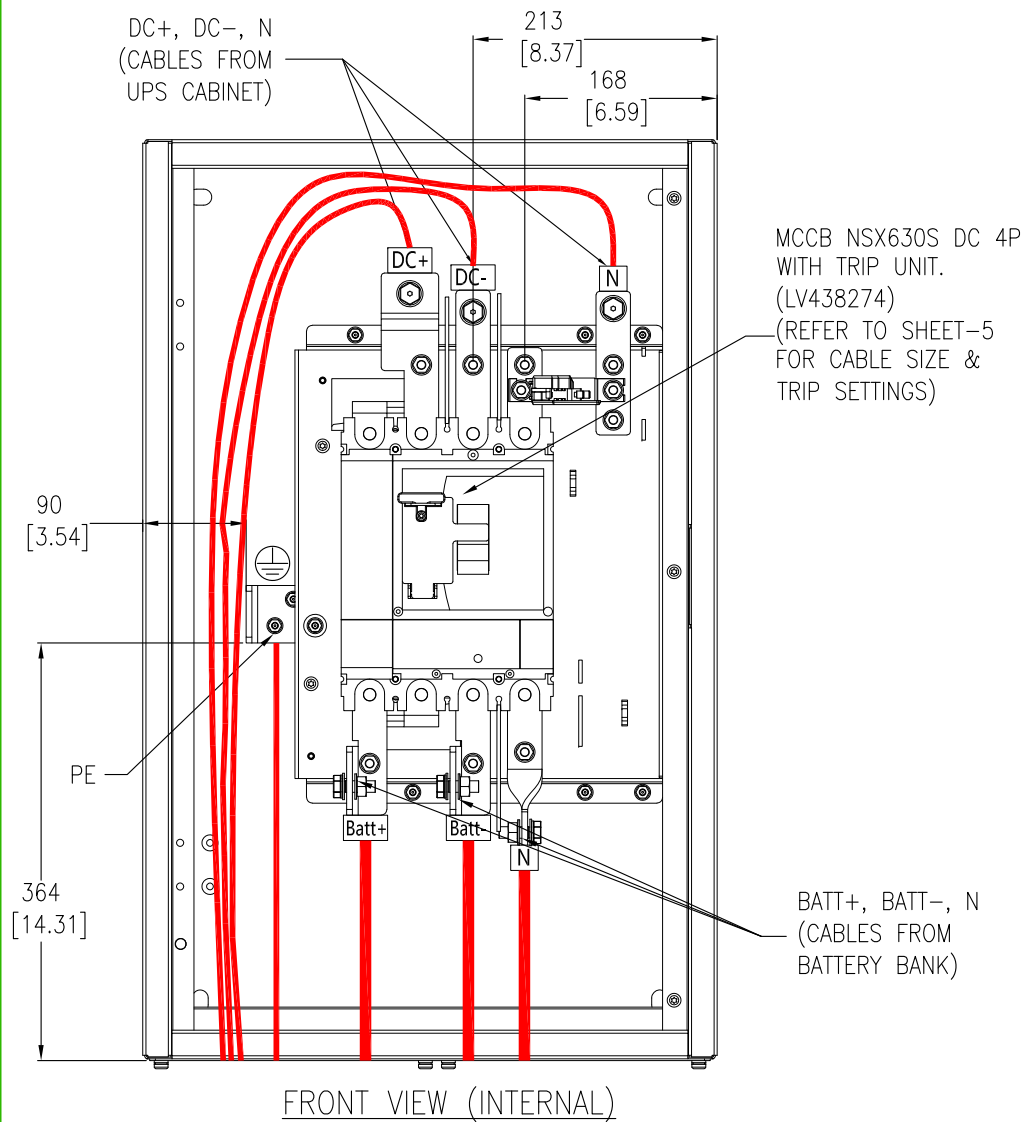
DRAWN: JAYAPRAKASH/KRISHNA 27-MAY-20

ENGINEER: COMPBELL BAI 27-MAY-20

APPROVED: FRANK ZHANG 27-MAY-20

REV. 1

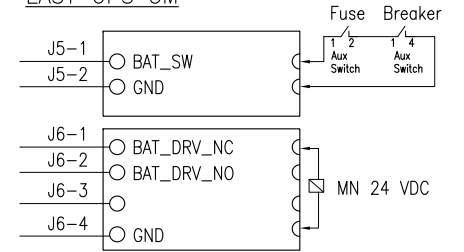
FIRST
ANGLE
PROJECTION



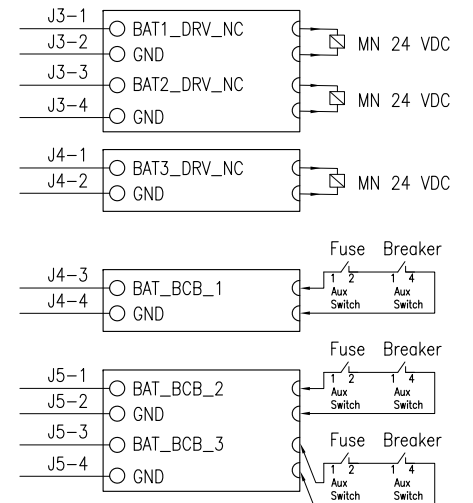
ISOMETRIC VIEW
(CIRCUIT BREAKER)

SIGNAL CABLE CONNECTION

EASY UPS 3M



EASY UPS 3L



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
4. REFER TO SHEET-5 FOR CABLE & TRIP SETTING DETAILS

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Schneider Electric

TITLE: EASY UPS 3M/3L
BATTERY BREAKER BOX
INTERNAL VIEW, & INTERFACE DETAILS

PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 5

DWG NO: E3MBBB100K200H

DRAWN: JAYAPRAKASH 27-JAN-21

ENGINEER: COMPELL BAI 27-JAN-21

APPROVED: FRANK ZHANG 27-JAN-21

REV. 2

FIRST
ANGLE
PROJECTION

△3

Recommended Copper Cable Size Between UPS and Battery Breaker				
Connection of each BBB	100kVA	120kVA	160kVA	200kVA
DC+, N, DC- (mm²)	2x70mm²	2x70mm²	2x95mm²	2x120mm²
PE (mm²)	70mm²	70mm²	95mm²	120mm²

UPS rating(kVA)	Trip setting of one BBB/BBK configuration (A)	
	BB	
	Ir	Im
100	420	1500
120	420	1500
160	480	1500
200	600	1500

△3

Recommended Copper Cable Size Between UPS and Battery Breakers						
	Connection of each BBB	250kVA	300kVA	400kVA	500kVA	600kVA
1xE3MBBB100K200H	DC+, DC- (mm²)	2x120mm²	2x120mm²	2x120mm²	---	---
	N (mm²)	120mm²	120mm²	120mm²	---	---
	PE (mm²)	120mm²	120mm²	120mm²	---	---
2xE3MBBB100K200H	DC+, DC- (mm²)	2x70mm²	2x95mm²	2x120mm²	2x120mm²	2x120mm²
	N (mm²)	120mm²	120mm²	120mm²	120mm²	120mm²
	PE (mm²)	70mm²	95mm²	120mm²	120mm²	120mm²
3xE3MBBB100K200H	DC+, DC- (mm²)	---	---	---	2x120mm²	2x120mm²
	N (mm²)	---	---	---	120mm²	120mm²
	PE (mm²)	---	---	---	120mm²	120mm²

UPS rating(kVA)		Trip setting of one BBB/BBK configuration (A)	
		BB	
		Ir	Im
250	PF=0.9	600	1500
	PF=1	600	1500
300	PF=0.9	600	1500
	PF=1	600	1500
400	PF=0.9	600	1500
	PF=1	600	1500
500	PF=0.9	---	---
	PF=1	---	---
600	PF=0.9	---	---
	PF=1	---	---

UPS rating(kVA)		Trip setting of two BBB/BBK configuration (A)			
		BB-1		BB-2	
		Ir	Im	Ir	Im
250	PF=0.9	420	1500	420	1500
	PF=1	420	1500	420	1500
300	PF=0.9	420	1500	420	1500
	PF=1	480	1500	480	1500
400	PF=0.9	600	1500	600	1500
	PF=1	600	1500	600	1500
500	PF=0.9	600	1500	600	1500
	PF=1	600	1500	600	1500
600	PF=0.9	600	1500	600	1500
	PF=1	600	1500	600	1500

UPS rating(kVA)		Trip setting of two BBB/BBK configuration (A)					
		BB-1		BB-2		BB3	
		Ir	Im	Ir	Im	Ir	Im
500	PF=0.9	480	1500	480	1500	480	1500
	PF=1	540	1500	540	1500	540	1500
600	PF=0.9	600	1500	600	1500	600	1500
	PF=1						

- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
 2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
 - △ 3. CABLE SIZES ARE BASED ON TABLE B.52.5 OF IEC 60364–5–52 WITH THE FOLLOWING ASSERTIONS:
 - a) 90°C CONDUCTORS.
 - b) AN AMBIENT TEMPERATURE OF 30°C [86°F].
 - c) USE OF COPPER CONDUCTORS.
 - d) INSTALLATION METHOD 'C'IF THE AMBIENT TEMPERATURE IS GREATER THAN 30°C [86°F], LARGER CONDUCTORS ARE TO BE SELECTED IN ACCORDANCE WITH THE CORRECTION FACTORS OF THE IEC.

TRIP SETTING SHOWN HERE IS BASED ON SAME BATTERY STRINGS FOR EACH BBB AND 36 BLOCKS FOR EACH BATTERY STRING

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TITLE: EASY UPS 3M/3L
BATTERY BREAKER BOX
CABLE SIZE & TRIP SETTING DETAILS

PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 5

DWG NO: E3MBBB100K200H

DRAWN: JAYAPRAKASH 27-JAN-21

ENGINEER: COMPBELL BAI 27-JAN-21

APPROVED: FRANK ZHANG 27-JAN-21

REV. 2

FIRST

ANGLE

PROJECTION